

Title (en)

Dental equipment and method.

Title (de)

Zahnärztliche Ausrüstung und Verfahren.

Title (fr)

Equipement dentaire et méthode.

Publication

EP 0370676 A1 19900530 (EN)

Application

EP 89311753 A 19891114

Priority

- GB 8826823 A 19881116
- GB 8917361 A 19890728

Abstract (en)

A dental post 5 has a lower portion 4 that is fitted within a pre-prepared dental root canal 2, 3 and an upper portion 6 to which a dental crown 8 can be fitted. The root canal is provided with a plurality of projections 26 that extend downwardly and inwardly and the post, which is preferably tapered, and the lower portion of the post has a plurality of notches 16 that are preferably independent grooves that face upwardly. The post can then be secured substantially without screwing, by means of cement in the annulus 7 between the post and the canal. Preferably the lower portion of the post is tapered and has grooves or other notches that open upwardly and outwardly and the upper portion has grooves that open downwardly. The pitch of the grooves 16 in the lower portion is generally not more than 0.5mm. The invention also includes a dental reamer that can be used to form a profiled cavity in a tooth and that has an elongated cutting head (30, 31, 32) having a plurality of cutting elements (34) that can be used for cutting into the wall of the canal to define the projections 26.

IPC 1-7

A61C 13/30

IPC 8 full level

A61C 13/30 (2006.01)

CPC (source: EP US)

A61C 13/30 (2013.01 - EP US)

Citation (search report)

- US RE31948 E 19850716
- EP 0260446 A1 19880323 - IPCO CORP [US]

Cited by

DE4415076A1; DE4019279C1; EP2281524A1; GB2248781A; GB2248781B; WO9216157A1; US9526594B2; US10052183B2

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0370676 A1 19900530; EP 0370676 B1 19950125; AT E117526 T1 19950215; AT E168548 T1 19980815; AU 4463689 A 19900524; CA 2002840 A1 19900516; DE 68920833 D1 19950309; DE 68920833 T2 19950524; DE 68928757 D1 19980827; DE 68928757 T2 19981203; DK 172495 B1 19981012; DK 23698 A 19980219; DK 571089 A 19900517; DK 571089 D0 19891115; ES 2119858 T3 19981016; IE 67893 B1 19960501; IE 893661 L 19900516; IE 950657 L 19900516; US 5104321 A 19920414

DOCDB simple family (application)

EP 89311753 A 19891114; AT 89311753 T 19891114; AT 93202238 T 19891114; AU 4463689 A 19891114; CA 2002840 A 19891114; DE 68920833 T 19891114; DE 68928757 T 19891114; DK 23698 A 19980219; DK 571089 A 19891115; ES 93202238 T 19891114; IE 366189 A 19891115; IE 950657 A 19891115; US 43654289 A 19891114